

### **Amendments to the claims**

This listing of claims will replace all prior versions and listings of claims in the application.

1 (currently amended): ~~A transeutaneous immunization system, for immunizing a subject comprising: a transeutaneous immunization formulation; said immunization formulation comprising at least one antigen, and a marking formulation; said~~

A method for inducing an antigen specific immune response in a subject comprising applying a formulation to the skin of a subject, wherein said formulation comprises:

- a) at least one antigen derived from a pathogen,
  - b) at least one adjuvant present in an amount effective to induce said immune response to said at least one antigen;
  - c) a pharmaceutically acceptable carrier; and,
  - d) a marking formulation comprising at least one chemical indicator,
- wherein said adjuvant induces said antigen specific immune response in said subject, and wherein the presence of said chemical indicator is serving to provide a readily discernable indication of the use of said ~~immunization~~ formulation wherein said ~~transeutaneous immunization~~ system provides an antigen specific immune response in the subject following the application of said system to intact skin of said subject.

2-3 (Cancelled)

4 (Currently amended): The ~~immunization system~~ method of claim 1, wherein said chemical indicator further provides an indication of the length of time to which said subject has been exposed to said ~~immunization~~ formulation.

5 (Currently amended): The ~~immunization system~~ method of claim 4, wherein said length of time is determinable by said chemical indicator taking on a color, changing color, or loosing the appearance of a color.

6 (Cancelled)

7 (Currently amended): The ~~immunization system~~ method of claim 1, wherein said chemical indicator indication is discernable by visual or olfactory senses.

8 (Currently amended): The ~~immunization system~~ method of claim 1, wherein said chemical indicator is formulated to deactivate said antigen after a specific time of exposure of said antigen to said subject.

9-10 (Cancelled)

11 (Currently amended): The ~~immunization system~~ method of claim [10] 1, wherein said chemical indicator is a fluorescent tag.

12 (Cancelled)

13 (Currently amended): The ~~immunization system~~ method of claim 1, wherein said chemical indicator is selected from the group consisting of dye, ink, vital stain, Evans blue, ~~paint~~, natural colorings, oxides, chlorophyll, charcoals, chalks, ~~powders~~, pH indicators, peroxidase triggered or enzyme triggered compound, fluorescent compound, radioactive tag, ~~attached to beads~~ and gold particles.

14 (Currently amended): The ~~immunization system~~ method of claim 1, further comprising an applicator, said applicator being selected from the group consisting of a patch, cream, ointment, gel, and any combination thereof.

15 (Currently amended): The ~~immunization system~~ method of claim [10] 14, wherein said applicator is a patch.

16 (Currently amended): The ~~immunization system~~ method of claim 15, wherein said patch comprises a controlled release reservoir, a matrix, or a rate controlling membrane for stepped release of said ~~immunization~~ formulation.

17 (Cancelled)

18 (Currently amended): The ~~immunization system~~ method of claim [17] 1, wherein said ~~system~~ formulation is deliverable by means of an air gun.

19-25 (Cancelled)

26 (New): The method of claim 1, further comprising pre-treating said skin by tape stripping, washing, or swabbing with alcohol or acetone.

27 (New): The method of claim 1, further comprising applying said formulation to more than one application site on said subject.

28 (New): The method of claim 1, further comprising applying said formulation to a site overlying more than one draining lymph node.